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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/707,334	12/05/2003	Soren Bystedt	00173.0047.PCUS00 1333		
28694	7590 11/19/2004		EXAMINER		
TRACY W.	DRUCE, ESQ.		KAMEN, NOAH P		
NANCY DRU			Г Т		
1615 L STRE	ET NW		ART UNIT	PAPER NUMBER	
SUITE 850			3747		
WASHINGTO	ON, DC 20036	DATE MAILED: 11/19/2004		.	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	1/0
Office Astinus Commences	10/707,334	BYSTEDT ET AL.	
Office Action Summary	Examiner	Art Unit	
	Noah Kamen	3747	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the d	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication D (35 U.S.C. § 133).	n.
Status			
1) Responsive to communication(s) filed on 05 No	ovember 2004.		
2a)⊠ This action is FINAL. 2b)☐ This	action is non-final.	•	
3) Since this application is in condition for allowan	ice except for formal matters, pro	secution as to the merits is	s
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5)⊠ Claim(s) <u>2-10 and 13-15</u> is/are allowed.			
6)⊠ Claim(s) <u>1,11,12</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	ſ.		
10) The drawing(s) filed on is/are: a) acce	<u> </u>	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	∍ 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	jected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:)-(d) or (f).	
1. Certified copies of the priority documents2. Certified copies of the priority documents		on No	
3. Copies of the certified copies of the prior			
application from the International Bureau	•		
* See the attached detailed Office action for a list of	·	ed.	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview Summary		
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	Patent Application (PTO-152)	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 11 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Suenaga et al (JP 56-38516). Figure 2 shows a compressed air line 5 from a compressor 4 being cooled by a fan 13 in response to a temperature sensor 18.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harden, III et al (5386873) in view of Suenaga et al (JP 56-38516).

Harden et al disclose a compressor system comprising intercoolers 42, 45, a cooling fan 131, various temperature sensors RT1-RT5, and a pressure sensors PT1-PT5. The sensors are connected to a control unit (figure 7). However, there is no explicit teaching of how the compressor operates and that the fan is temperature controlled. Suenaga et al show a compressed air line 5 from a compressor 4 being cooled by a fan 13 in response to a temperature sensor 18. It would have been obvious to one of ordinary skill in the art to operate the fan of Harden et al to

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be responsive to temperature sensors of the compressed air so as to prevent overheating. In regard to claim 4, the recited arrangement of activating and deactivating a compressor based on demand (read pressure in tank 46) is standard operating procedure.

Allowable Subject Matter

Claims 2-10 and 13-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments filed 11/5/04 have been fully considered but they are not persuasive.

The applicant argues that Suenaga et al (JP 356038516A) fails to show compressing air, a cooling requirement of compressed air, and protection of an active component against thermal overload resulting from compressed air but rather teaches fan activation based on a water temperature sensor.

The examiner contends that Suenaga et al do teach compressing air, note the title of the invention "Cooler of Supercharged Engine". A cooling requirement is set forth as evidenced by the sentence in the translated abstract: This permits the temperatures of the charging and the cooling water to be kept below given allowable values even when the load is large...."

Here charging refers back to the charging (compression) of air. Air is clearly cooled as shown by intercooler 6. Likewise, the operation of the fan, which cools compressed air through the intercooler, would inherently protect the active component (engine) from damage. The

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acknowledgement of potential damage is seen by the recitation of "allowable values". Clearly, too hot compressed air will lead to knocking, and knocking is well known to damage engines. The component 18 is clearly identified as an air temperature sensor and is used in combination with sensors 16 and 17 to determine cooling requirements.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Noah Kamen whose telephone number is 703 308 1945. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on 703-308-1946. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Noah Kamen

Primary Examiner

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